

Anaplan Connector for MuleSoft

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Installation

This topic assumes the Anaplan administrator has:

- read the installation instructions for the connector package that are posted at <https://github.com/mulesoft/anaplan-connector>
- performed the installation

Mulesoft Prerequisites

- Are familiar with the Mulesoft Anypoint platform
- Have an installation of Mulesoft's Anypoint Studio, which is the development environment for building an integration solution with the Anaplan Connector for MuleSoft.
Anypoint Studio is available for download at <http://www.mulesoft.com/platform/mule-studio>.

Anaplan Prerequisites

- Know about the Anaplan actions – import, export, process, and delete – which are explained at <https://community.anaplan.com/anapedia/around-the-platform/settings-tab/actions>
- Have verified that Anaplan already has the actions that your Mule Flow will automate.
- For Authentication, already have an Anaplan username/password, or a Certificate, which is explained at <https://community.anaplan.com/anapedia/getting-started/end-user/certificates>

Overview

The Anaplan Connector for Mulesoft allows you to create solutions that can extract, transform, and load data from a source system into Anaplan. Mulesoft provides an Eclipse-based graphical environment, Anypoint Studio, for designing and configuring integration solutions with Mulesoft's library of more than one hundred [Connectors](#) to other applications, such as Salesforce, Workday, and SAP.

The Anaplan Connector for Mulesoft can be used for import, export, and delete actions in an orchestration of services that Mulesoft calls a [Flow](#). For example, the Flow you build might:

- Import data into Anaplan from a database, [Salesforce.com](https://www.salesforce.com), or a CSV file
- Export a recently updated Module from Anaplan into a CSV file, or import into a target, such as a database or Salesforce.com
- Perform data transformations on a schedule
- Delete obsolete data
- Perform a model-to-model import

You will configure the Anaplan Connector with credentials to connect to a data source and perform operations. With the Anaplan Connector for Mulesoft, you can build Anypoint flows that work with:

- Anaplan Lists
- Anaplan Modules
- Anaplan Users

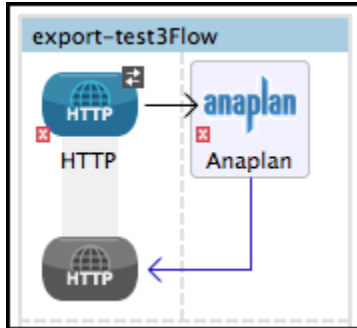
The Anaplan Connector is an alternative to [Anaplan Connect](#), Anaplan's command-line tool that uses batch files and allows automated scheduling on the operating system scheduling tool.

Export

You can create a Flow that exports a List, Module, or a set of Users, from Anaplan into another data-source, such as a CSV file or Salesforce.com.

Let's start with a simple example.

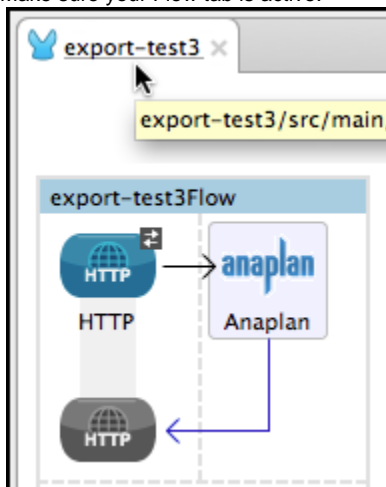
1. In Anypoint Studio, on the **File** menu, click **New > Mule Project**.
2. In the **Message Flow** tab, build your flow by dropping Connectors into the Anypoint Studio Flow area.



In this example, we use one HTTP connector to start the Anaplan export, and a second HTTP connect to view the output of the export. In the HTTP connector, to test locally, we set the the HTTP Listener Configuration to localhost on port 8081.

3. Double-click the **Anaplan** connector and populate the **General** fields:

4. Set up the Anaplan authentication. See [BasicorCertificateAuthentication](#).
5. Save your Flow.
6. Make sure your Flow tab is active.



7. On the **Run** menu, click **Run As > Mule Application**.
8. Note that the console indicates the Flow is deployed.

Display Name:

Basic Settings

Path:

Move to Pattern:

Move to Directory:

Connector Configuration:

- Set the Anaplan Authentication. See [Basic or Certificate Authentication](#).
- Configure the **Anaplan** connector for the Import **Operation**, and specify the **Import name or ID**, the **Model name or ID**, and the **Workspace name or ID**.

Basic Settings

Connector Configuration:

Operation:

General

Column separator:

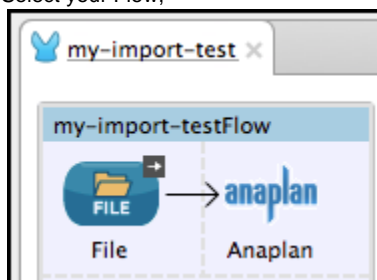
Delimiter:

Import name or ID:

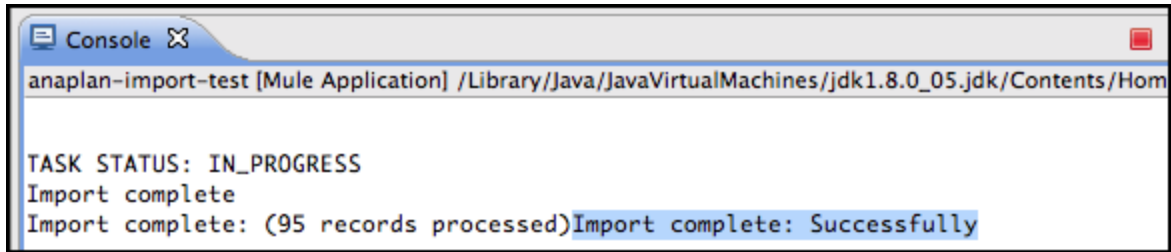
Model name or ID: A

Workspace name or ID: 3fe785786

- Select your Flow,



- and, on the **Run** menu, click **Run As > Mule Application**.
- Note that the **Console** indicates the result:



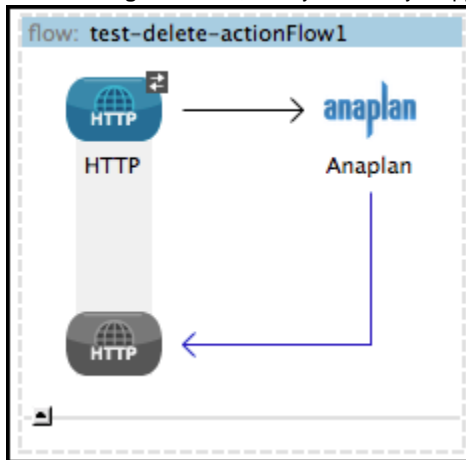
8. To verify the Import, look at the model inside Anaplan. For example, if you imported into a List, that List now shows the imported data.

Note: By default, the Flow automatically runs again each time a file appears in the original **Path** directory. If you want to prevent this automatic triggering, go to Anypoint Studio **Console** and click the red square.



Delete

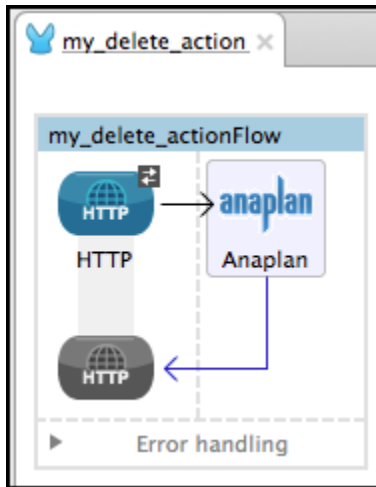
1. In Anypoint Studio, on the **File** menu, click **New > Mule Project**.
2. In the **Message Flow** tab, build your flow by dropping Connectors into the Anypoint Studio Flow area.



3. Double-click the **Anaplan** connector.
4. Set the Anaplan Authentication. See [Basic or Certificate Authentication](#).
5. For **Operation**, choose **Execute Action**, then supply the name or ID of the action, model, and workspace.

Basic Settings	
Connector Configuration:	Anaplan
Operation:	Execute Action
General	
Action name or ID:	Clear Departments L3
Model name or ID:	587c8b02-027f-461c-8200ff-4009c03288
Workspace name or ID:	8a820400-70f0-4200-9020-70f0-786

6. Save your Flow.
7. Select your Flow,



and, on the **Run** menu, click **Run As > Mule Application**.

This puts the Flow in the "deployed" state.

```

+++++
+ Mule is up and kicking (every 5000ms) +
+++++
INFO 2015-02-11 13:19:11,078 [main] org.mule.module.launcher.S
*****
* - - + DOMAIN + - - * - - + STATUS
*****
* default * DEPLOYED
*****
*****
* - - + APPLICATION + - - * - - + [
*****
* my_delete_action * default
*****

```

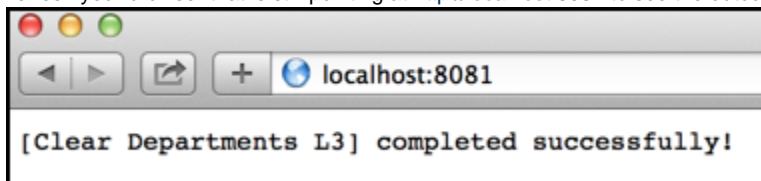
8. To run the Flow, refresh a browser that is set to <http://localhost:8081/>
9. Watch the Flow run in the Anypoint Studio Console.

```

Status: SUCCESS, Response message: COMPLETE
.
s L3] [Clear Departments L3] completed successfully!

```

10. Refresh your browser that is still pointing at <http://localhost:8081> to see the outcome message.



Basic or Certificate Authentication


To set up Authentication, you perform the following steps, whether it is for [Export](#), [Import](#), or Execution Action (for a [Delete](#) action).




1. Click the button:

Display Name:

Basic Settings

Connector Configuration: 

Operation: 

2. In the Choose Global Type dialog, click either **Basic Authentication** (username, password) or **Certificate Authentication**.

Choose Global Type

Choose the type of global element to create.

Filter:

▼ Connector Configuration

- Anaplan: Basic Authentication
- Anaplan: Certificate Authentication

3. If you clicked Basic Authentication, populate the **Username** and **Password** fields, click **Test Connection** to verify that the credentials work, then click **OK**.

Global Element Properties

Anaplan

Global Anaplan configuration information.

General Pooling Profile Reconnection Notes

Basic Settings

Name:

Connection

Username:

Password: ☒ Show password

Url:

Proxy Host:

Proxy User:

Proxy Pass:

Test Connection... Cancel OK

4. If you clicked Certificate Authentication, in the **Certificate Path** field, click the ... button to navigate to the certificate, then click **Test Connection** to verify that the credentials work, then click **OK**.

Anaplan: Certificate Authentication

Attribute 'certificatePath' is required

General

Pooling Profile

Reconnection

Notes

Basic Settings

Name:

Anaplan__Certificate_Authentication1

Connection

Certificate Path:

...

Url:

https://api.anaplan.com/

Proxy Host:

Proxy User:

Proxy Pass:

?

Test Connection...

Cancel

OK